



SEQUENCE LISTING

<110> Duvert-Frances, Valerie
Pin, Jean-Jacques
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<120> Antibodies to Mammalian Langerhans Cell Antigen and Their Uses

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<141> 2001-03-15

<150> PCT/US99/22269
<151> 1999-09-23

<150> EP 99 400 394.5
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<150> EP 98 402 374.7
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 <213> Homo sapiens

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 <211> 117
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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 <211> 119
 <212> DNA
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 <212> DNA
 <213> Mus musculus

<220>
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 <222> (266) .. (1243)

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			Met	Leu	Glu	Glu	Ala	Pro	Glu	Ala	His					
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ttc	aca	gtg	gac	aaa	cag	aac	atc	tct	ctc	tgg	cct	cga	gag	cct	cct	340
Phe	Thr	Val	Asp	Lys	Gln	Asn	Ile	Ser	Leu	Trp	Pro	Arg	Glu	Pro	Pro	
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Pro	Lys	Gln	Asp	Leu	Ser	Pro	Val	Leu	Arg	Lys	Pro	Leu	Cys	Ile	Cys	
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gtg	gcc	ttc	acc	tgc	ctg	gca	ttg	gtg	ctg	gtc	acc	tcc	att	gtg	ctt	436
Val	Ala	Phe	Thr	Cys	Leu	Ala	Leu	Val	Leu	Val	Thr	Ser	Ile	Val	Leu	
			45					50					55			
cag	gct	gtt	ttc	tat	cct	agg	ttg	atg	ggc	aaa	ata	ttg	gat	gtg	aag	484
Gln	Ala	Val	Phe	Tyr	Pro	Arg	Leu	Met	Gly	Lys	Ile	Leu	Asp	Val	Lys	
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Ser	Asp	Ala	Gln	Met	Leu	Lys	Gly	Arg	Val	Asp	Asn	Ile	Ser	Thr	Leu	
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Gln	Met	Gln	Ile	Val	Asn	Thr	Thr	Leu	Lys	Arg	Val	Arg	Ser	Gln	Ile	
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Leu	Thr	Met	Ser	Trp	Gly	Glu	Val	Asp	Ser	Leu	Ser	Ala	Lys	Ile	Pro	
		140					145					150				
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Glu	Leu	Lys	Arg	Asp	Leu	Asp	Lys	Ala	Ser	Ala	Leu	Asn	Thr	Lys	Val	
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caa	gga	cta	cag	aac	agc	ttg	gag	aat	gtc	aac	aag	ctg	ctc	aaa	caa	820
Gln	Gly	Leu	Gln	Asn	Ser	Leu	Glu	Asn	Val	Asn	Lys	Leu	Leu	Lys	Gln	
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Gln	Ser	Asp	Ile	Leu	Glu	Met	Val	Ala	Arg	Gly	Trp	Lys	Tyr	Phe	Ser	
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Gly	Asn	Phe	Tyr	Tyr	Phe	Ser	Arg	Thr	Pro	Lys	Thr	Trp	Tyr	Ser	Ala	

205	210	215	
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Glu Gln Phe Cys Ile Ser Arg Lys Ala His Leu Thr Ser Val Ser Ser			
220	225	230	
gaa tcg gaa caa aag ttt ctc tac aag gca gca gat gga att cca cac			1012
Glu Ser Glu Gln Lys Phe Leu Tyr Lys Ala Ala Asp Gly Ile Pro His			
235	240	245	
tgg att gga ctt acc aaa gca ggg agc gaa ggg gac tgg tac tgg gtg			1060
Trp Ile Gly Leu Thr Lys Ala Gly Ser Glu Gly Asp Trp Tyr Trp Val			
250	255	260	
gac cag aca tca ttc aac aag gag caa agt agg agg ttc tgg att cca			1108
Asp Gln Thr Ser Phe Asn Lys Glu Gln Ser Arg Arg Phe Trp Ile Pro			
270	275	280	
ggt gaa ccc aac aac gca ggg aac aac gag cac tgt gcc aat atc agg			1156
Gly Glu Pro Asn Asn Ala Gly Asn Asn Glu His Cys Ala Asn Ile Arg			
285	290	295	
gtg tct gcc ctg aag tgc tgg aac gat ggt ccc tgt gac aat aca ttt			1204
Val Ser Ala Leu Lys Cys Trp Asn Asp Gly Pro Cys Asp Asn Thr Phe			
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ctt ttc atc tgc aag agg ccc tac gtc caa aca act gaa tgacagatct			1253
Leu Phe Ile Cys Lys Arg Pro Tyr Val Gln Thr Thr Glu			
315	320	325	
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<210> 11
 <211> 326
 <212> PRT
 <213> Mus musculus

<400> 11

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15

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20 25 30

Val Leu Arg Lys Pro Leu Cys Ile Cys Val Ala Phe Thr Cys Leu Ala
35 40 45

Leu Val Leu Val Thr Ser Ile Val Leu Gln Ala Val Phe Tyr Pro Arg
50 55 60

Leu Met Gly Lys Ile Leu Asp Val Lys Ser Asp Ala Gln Met Leu Lys
65 70 75 80

Gly Arg Val Asp Asn Ile Ser Thr Leu Gly Ser Asp Leu Lys Thr Glu
85 90 95

Arg Gly Arg Val Asp Asp Ala Glu Val Gln Met Gln Ile Val Asn Thr
100 105 110

Thr Leu Lys Arg Val Arg Ser Gln Ile Leu Ser Leu Glu Thr Ser Met
115 120 125

Lys Ile Ala Asn Asp Gln Leu Leu Ile Leu Thr Met Ser Trp Gly Glu
130 135 140

Val Asp Ser Leu Ser Ala Lys Ile Pro Glu Leu Lys Arg Asp Leu Asp
145 150 155 160

Lys Ala Ser Ala Leu Asn Thr Lys Val Gln Gly Leu Gln Asn Ser Leu
165 170 175

Glu Asn Val Asn Lys Leu Leu Lys Gln Gln Ser Asp Ile Leu Glu Met
180 185 190

Val Ala Arg Gly Trp Lys Tyr Phe Ser Gly Asn Phe Tyr Tyr Phe Ser
195 200 205

Arg Thr Pro Lys Thr Trp Tyr Ser Ala Glu Gln Phe Cys Ile Ser Arg
210 215 220

Lys Ala His Leu Thr Ser Val Ser Ser Glu Ser Glu Gln Lys Phe Leu
225 230 235 240

Tyr Lys Ala Ala Asp Gly Ile Pro His Trp Ile Gly Leu Thr Lys Ala
245 250 255

Gly Ser Glu Gly Asp Trp Tyr Trp Val Asp Gln Thr Ser Phe Asn Lys
 260 265 270

Glu Gln Ser Arg Arg Phe Trp Ile Pro Gly Glu Pro Asn Asn Ala Gly
 275 280 285

Asn Asn Glu His Cys Ala Asn Ile Arg Val Ser Ala Leu Lys Cys Trp
 290 295 300

Asn Asp Gly Pro Cys Asp Asn Thr Phe Leu Phe Ile Cys Lys Arg Pro
 305 310 315 320

Tyr Val Gln Thr Thr Glu
 325

<210> 12
 <211> 328
 <212> PRT
 <213> Artificial

<220>
 <223> majority sequence between human and mouse Langerin

<400> 12

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Gln Asn Ile Ser Leu Trp Pro Arg Glu Pro Pro Pro Lys Ser Gly Leu
 20 25 30

Ser Leu Val Leu Gly Lys Thr Leu Thr Val Arg Ala Ala Leu Ile Cys
 35 40 45

Leu Ala Leu Val Leu Val Ala Ser Val Val Leu Gln Ala Val Leu Tyr
 50 55 60

Pro Arg Leu Met Gly Thr Ile Leu Asp Val Lys Ser Asp Ala Gln Leu
 65 70 75 80

Leu Lys Gly Arg Val Asp Asn Ile Ser Thr Leu Gly Ser Asp Leu Lys
 85 90 95

Thr Glu Ser Gly Gly Val Asp Ala Ala Gly Val Gln Ile Gln Ile Val
 100 105 110

Asn Thr Ser Leu Gly Arg Val Arg Ser Gln Ile Leu Ser Leu Glu Thr
 115 120 125

Ser Val Glu Ile Ala Asn Ala Gln Leu Leu Ile Leu Thr Arg Ser Trp
 130 135 140

Gly Glu Val Ser Ser Leu Ser Ala Gln Ile Pro Glu Leu Lys Ser Asp
 145 150 155 160

Leu Asp Lys Ala Ser Ala Leu Asn Thr Lys Val Gln Gly Leu Gln Gly
 165 170 175

Ser Leu Glu Asn Val Ser Lys Leu Leu Lys Gln Gln Ser Asp Ile Leu
 180 185 190

Glu Val Val Ala Gln Gly Trp Lys Tyr Phe Ser Gly Asn Phe Tyr Tyr
 195 200 205

Phe Ser Leu Ile Pro Lys Thr Trp Tyr Ser Ala Glu Gln Phe Cys Val
 210 215 220

Ser Arg Asn Ala His Leu Thr Ser Val Ser Ser Glu Ser Glu Gln Glu
 225 230 235 240

Phe Leu Tyr Lys Ala Ala Gly Gly Leu Ile His Trp Ile Gly Leu Thr
 245 250 255

Lys Ala Gly Ser Glu Gly Asp Trp Ser Trp Val Asp Asp Thr Ser Phe
 260 265 270

Asn Lys Val Gln Ser Ala Arg Phe Trp Ile Pro Gly Glu Pro Asn Asn
 275 280 285

Ala Gly Asn Asn Glu His Cys Gly Asn Ile Lys Ala Ser Ala Leu Gln
 290 295 300

Ala Trp Asn Asp Gly Pro Cys Asp Asn Thr Phe Leu Phe Ile Cys Lys
 305 310 315 320

Arg Pro Tyr Val Gln Ser Thr Glu
 325